

【ABSTRACT】

Disclosed are a phosphor, which a light emitting device using the phosphor, and a method for producing the phosphor, which allows to control color coordinates, color temperatures and color rendering indexes by shifting a main emission peak without a decrease in light emission luminosity by changing the concentration of an activator included in a phosphor. By this structure, it is possible to actively control the state of white light according to use, thereby enhancing user convenience.